

Welcome to Georgia Tech

President G. Wayne Clough

Visit of the Royal Institute of Technology, Stockholm

October 2, 2006



Georgia Tech: Recognized for excellence

- Among top 10 public universities in the United States
- Among top 5 engineering schools in the United States
- Nationally ranked for computing, architecture, management, and selected science and liberal arts programs.
- Caliber of incoming freshmen class among nation's top 5 public universities.

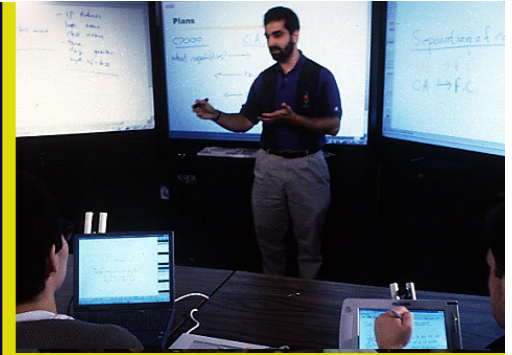
Georgia Tech vision and mission

Georgia Tech will define the technological research university of the 21st century and educate the leaders of a technologically driven world.



Achieving the vision

- Excellence and innovation
- Best students, faculty, staff
- Interdisciplinary environment
- Leading-edge facilities, services
- Distinctive sense of place
- Community and industry collaboration
- Optimal technology transfer



Five campuses on three continents



Georgia Tech Atlanta



Georgia
Tech
Lorraine



Georgia Tech
Savannah



Georgia Tech Ireland

Georgia Tech
Singapore



Students

17,933 students enrolled:

- 12,357 under-graduates
- 5,576 graduate students
- Growing enrollment: added 4,850 students in the past 10 years.

Georgia Tech is a national leader in graduating engineers, including minorities & women.



Academic programs



Six colleges:

Architecture

Computing

Engineering

Ivan Allen College of Liberal Arts

Management
Sciences

Interdisciplinary degrees:

Biomedical engineering

Bioinformatics

Prosthetics and orthotics

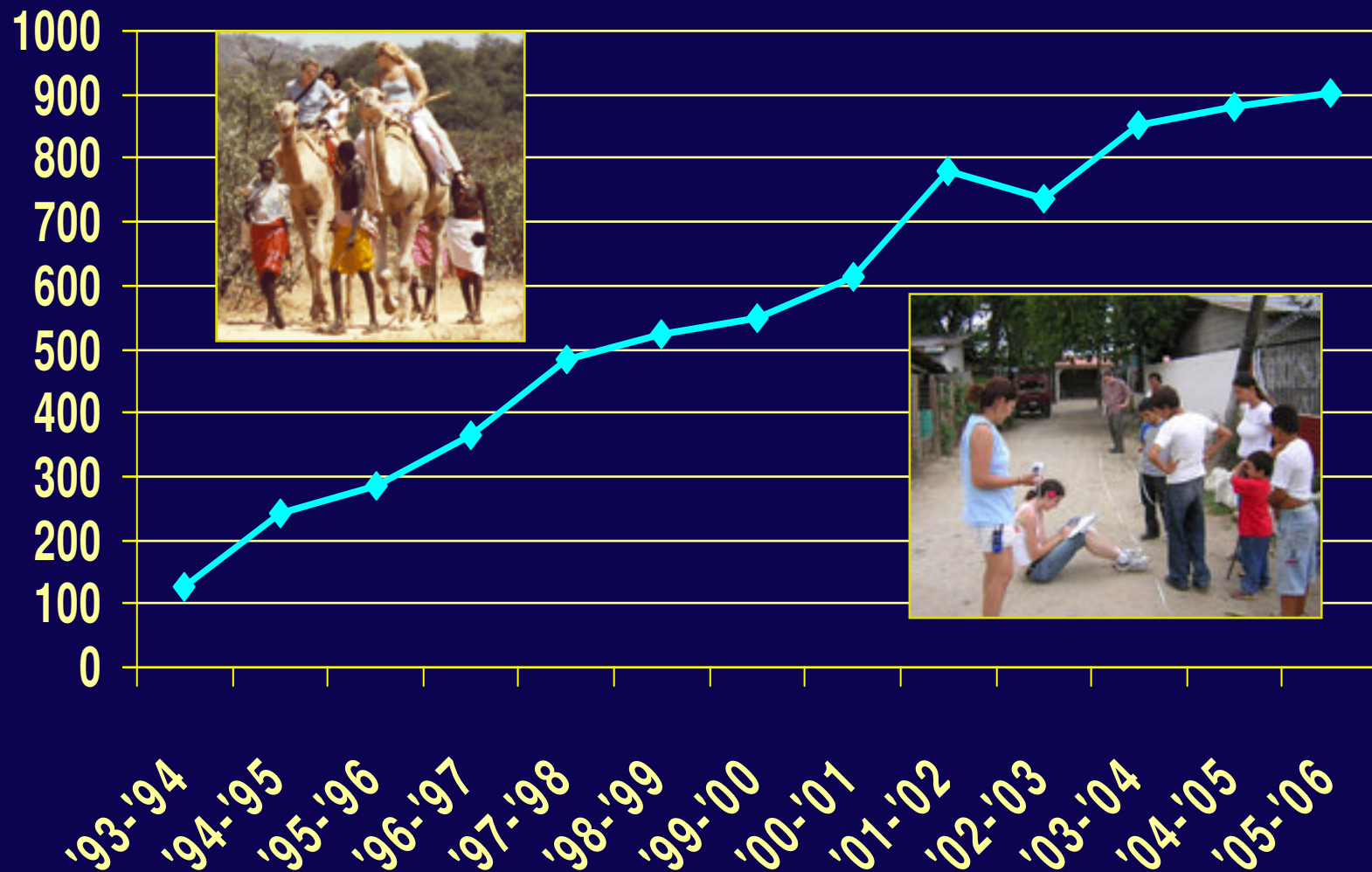
Human-computer interaction

Quantitative computational finance

Digital media



A third of undergrads study abroad



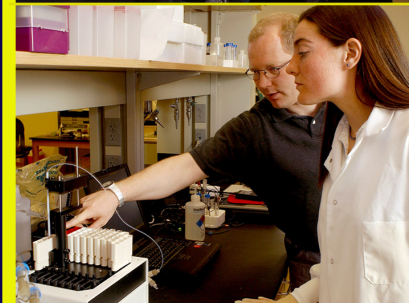
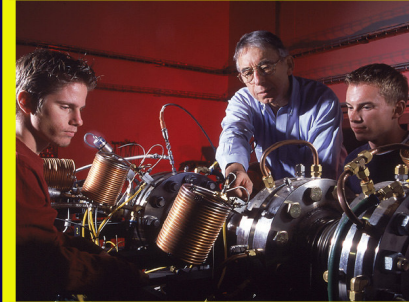
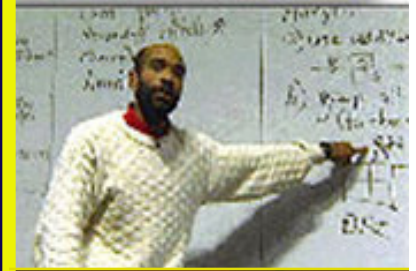


Involving students in research

- Research is a learning process and enriches the experience of our students.
- 43% of undergraduates participate in research for academic credit.
- 52% of graduate students are supported by funding from sponsored research.

Faculty

- 962 academic faculty
- 961 research faculty
- 208 post-doctoral fellows
- 117 endowed chairs and professorships
- 30 National Academy members
- 109 NSF CAREER Awards (2nd highest in the nation)
- 7 PECASE Awards (among top 10)



Building a quality, sustainable campus

4 million gross sq ft of
new, renovated space.



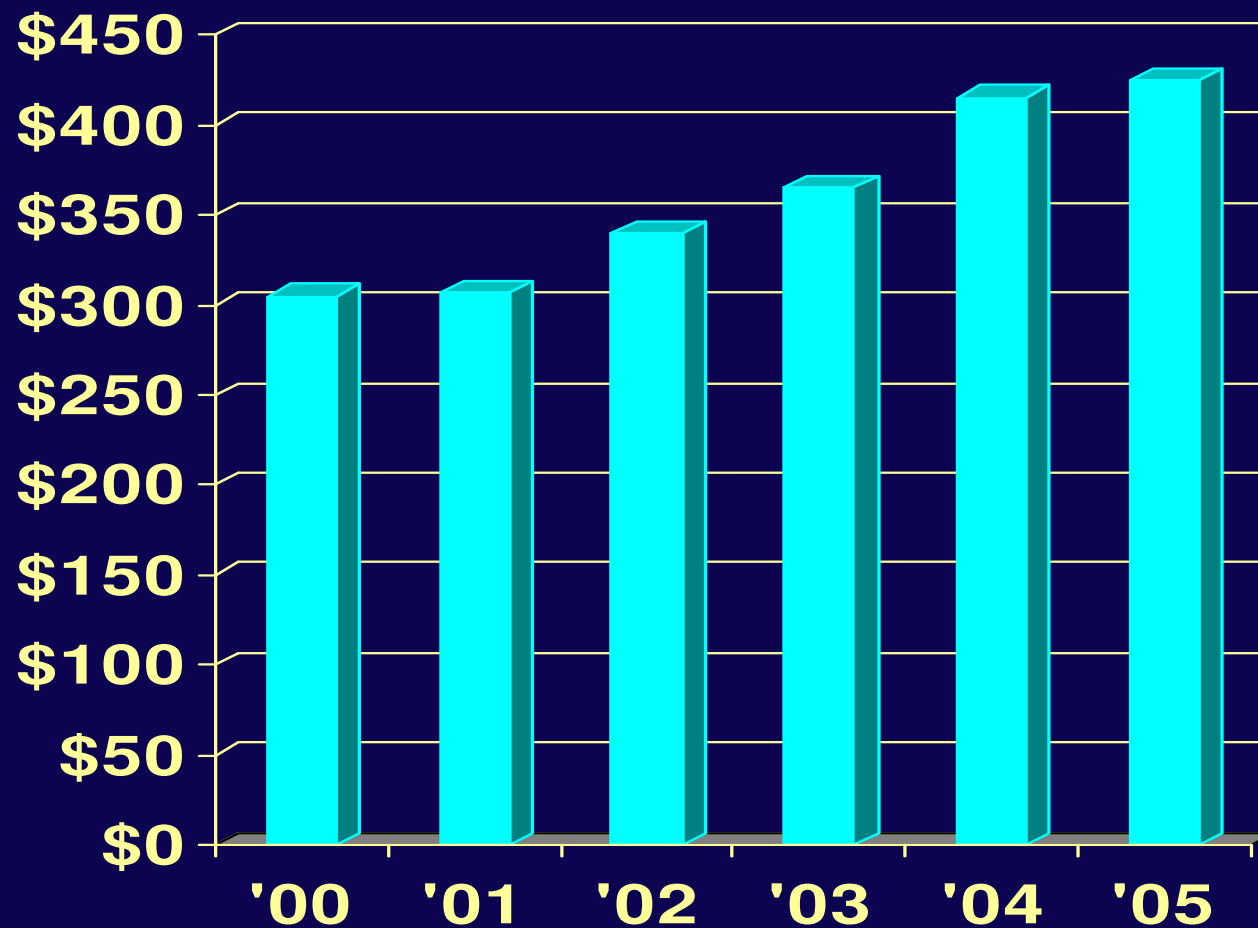
Nanotechnology Research Center

- Largest in the South
- Three classes of cleanrooms (10, 100, 1,000)
- First in nation, world designed for both physical, biomedical research
- Flexible configuration
- Multi-user access
- Interdisciplinary



Annual research expenditures

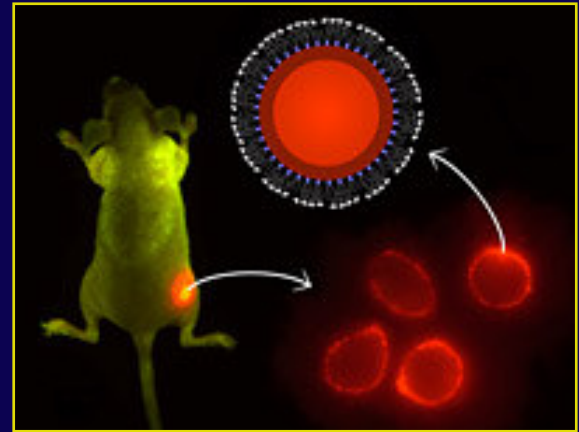
(in millions)



At the leading edge

- Research expenditures doubled during past decade
- Georgia Tech ranks second in the nation in engineering R&D
- One of 7 National Centers of Cancer Nanotechnology Excellence (\$20 million)
- Recently attracted Jeff Skolnik, world-renowned computational biologist, and team of 20 to Institute for Systems Biology

Identifying and attacking individual cancer cells.

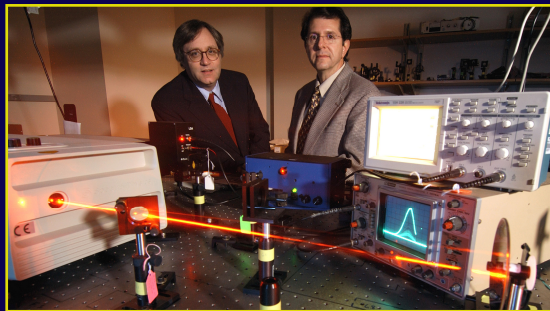


“The Razor” at the Institute for Systems Biology is the world’s 41st fastest computer.

17 National Centers of Excellence



- Microelectronics Packaging Research Center
- Center for Organic Photonics & Electronics
- Center for the Engineering of Living Tissues
- Mid-America Earthquake Center
- Center for Environmentally Responsible Solvents and Processes



Growing research thrusts



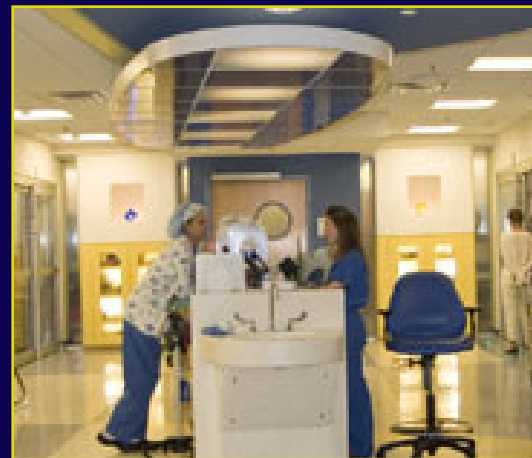
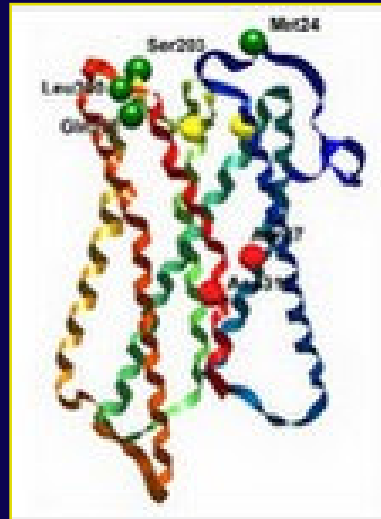
Energy



Predictive
medicine



Systems
biology



Electronic
health
systems

Growing research thrusts



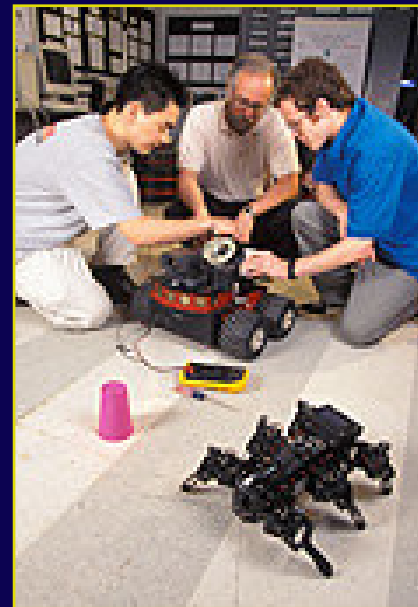
Disasters, water



High performance computing



Music technology



Robotics

Expanding economic impact

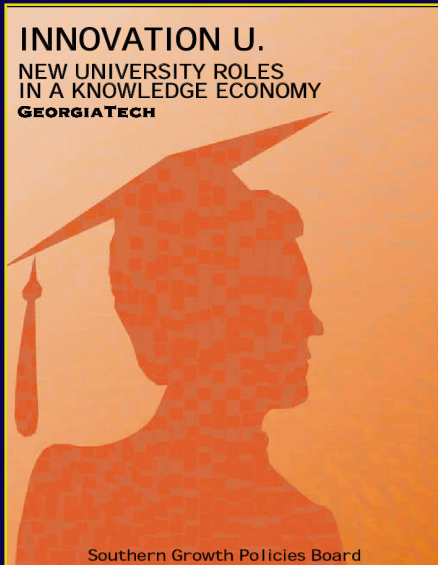
- From 1995 to 2005, Georgia Tech spun off 76 new companies.
- In 2005, Tech was awarded 43 patents, 9th among research universities nationwide.



Advanced Technology Development Center



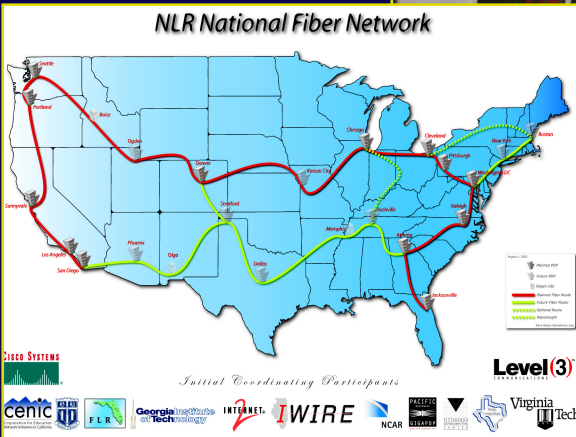
Technology Enterprise Park



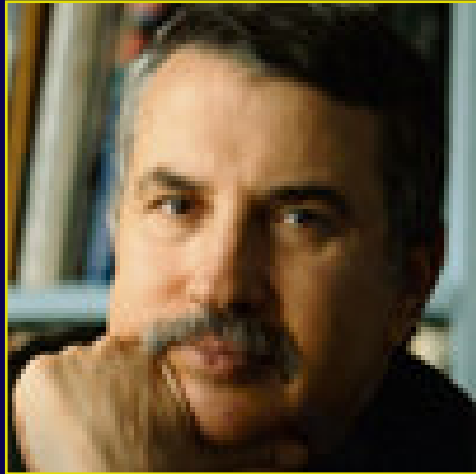
Economic development

“Virtually every combination of industry relationship or economic development activity can be found at Georgia Tech, and in a very real sense the school is an operating partner with Georgia state government.... **Perhaps more than any other research university in North America, economic development is an integral, critical component of the mission of the Georgia Institute of Technology,** and this has been true from its very inception.”

Southern Growth Policies
Board *Innovation U* study



- National Innovation Initiative
- Sam Nunn Policy Forum
- National Lambda Rail
- National Nanotech Infrastructure Network
- President's Council of Advisors on Science & Technology, National Science Board, National Academy of Engineering



Tech has the “right stuff”

“What the Georgia Tech model recognizes is that the world is increasingly going to be operating off of the flat-world platform, with its tools for all kinds of horizontal collaboration.”

Thomas L. Friedman
The World Is Flat

